

ile 583:Gale Group Globalbase(TM) 1986-2002/Dec 13

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***File 583: This file is no longer updating as of 12-13-2002.**

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?t 04646435/9

04646435/9

DIALOG(R)File 583:Gale Group Globalbase(TM)

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04646435

Plastic revolution

DENMARK - COUNTRY MOVES TOWARDS A CASHLESS SOCIETY

Financial Times (C) 1991 (FT) 19 November 1991 pIV

Denmark: this article, part of a four page Financial Times survey on this country, looks at how it will take a significant step towards a cashless society in the autumn of 1992, when a new type of card for use in vending machines, pay phones, parking meters, laundries, and so on, will be introduced. The unique feature of the new card, which will be a pre-paid, non-personalised card, is that it will be an open system. This means the card can be used in a wide range of payments and not, for example, only for parking meters. After a trial period, it will be useable everywhere. The first generation of cards will be disposable once the issue sum has been used up, but later cards will be rechargeable, at a terminal, for a further amount. The card is being established by Copenhagen Telephone on behalf of all the telephone companies, and PBS, the common clearing company for all the banks and savings banks. The special feature of the new card is that it is accepted by all the banks and savings banks, so Danes only have to carry one piece of plastic for most transactions. (Abstract)**

Copyright: Financial Times Ltd 1991

PRODUCT: Phone Cards (3078PH); Electronic Banking Services (6005); Smart Cards (3078SC);

EVENT: NEW SERVICE LAUNCH (36);

COUNTRY: Denmark (4DEN); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); Scandinavian Countries (512);

?b16

14nov03 10:24:17 User274824 Session D90.2

\$0.49 0.146 DialUnits File583

\$2.30 1 Type(s) in Format 9

\$2.30 1 Types

\$2.79 Estimated cost File583

\$0.70 TELNET

\$3.49 Estimated cost this search

\$3.52 Estimated total session cost 0.301 DialUnits

File 16:Gale Group PROMT(R) 1990-2003/Nov 13

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***File 16: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.**

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?t 03622854/9

03622854/9

DIALOG(R)File 16:Gale Group PROMT(R)

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03622854 Supplier Number: 45104542 (THIS IS THE FULLTEXT)

Smart card trial

European Power News, p2

Nov, 1994

ISSN: 0261-8214

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Tabloid; Trade

Word Count: 168

TEXT:

Yorkshire Electricity has announced that it is to commence a field trial of the Landis & Gyr Pisces prepayment electricity metering system. The initial trial will involve 100 homes in the West Yorkshire area.

Pisces is reportedly the UK's first payment system for domestic electricity supply using microprocessor based smart card technology. The system provides customers with a more convenient, fraud resistant method of paying for their electricity.

Customers will be issued with their own, unique smart card which they will take to their local agency to be charged up by a point of sale terminal. The card is then inserted into the meter at the customer's home and credits the meter with the number of electricity units paid for. The customer's card can be used only in his meter, making theft of the card pointless.

The Pisces pre-payment metering systems are made at Landis & Gyr Energy Management's UK headquarters in Telford, Shropshire, who is part of the Landis & Gyr Corp, a company with its corporate headquarters in Switzerland.

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PUBLISHER NAME: FMJ International Publications Ltd.

COMPANY NAMES: *Yorkshire Electricity PLC

EVENT NAMES: *360 (Services information)

GEOGRAPHIC NAMES: *4EUUK (United Kingdom)

PRODUCT NAMES: *4910000 (Electric Utilities)

INDUSTRY NAMES: BUSN (Any type of business); INTL (Business, International); OIL (Petroleum, Energy Resources and Mining)

NAICS CODES: 2211 (Electric Power Generation, Transmission and Distribution)

SPECIAL FEATURES: INDUSTRY; COMPANY

?t 03545344/9

03545344/9

DIALOG(R)File 16:Gale Group PROMT(R)

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03545344 Supplier Number: 44976945

An End to the 'Nightmare' of Cash?

The New York Times, pC1

Sept 6, 1994

ISSN: 0362-4331

Language: English Record Type: Abstract

Document Type: Newspaper; General

ABSTRACT:

Cash payments for goods and services could be replaced by an 'electronic purse' or a stored value card embedded with rechargeable microchips. The stored value cards would store certain amounts of money and could be used instead of cash to pay for all sorts of goods and services. Several banks, credit card companies and govts are working to develop stored value cards. Some 80% of the 360 bil transactions/yr in the US are paid for with cash, and 90% of the cash transactions involve amounts of under \$20. Electronic Payment Services' Smart Card Enterprise unit, which operates the MAC cash machine network, claims that cash is really inconvenient for consumers and a 'nightmare' for retailers. Cash can be stolen and it costs money to handle and deposit. Electronic Payment Services is planning to introduce a stored-value card in Delaware in 1995. Visa Intl and Mastercard Intl are also involved in ventures to develop a more sophisticated version of the smart card. Over the past few years, several telephone companies outside the US have marketed smart cars charged with a certain number of calls. The State of Ohio is devising a smart card system for the electronic payment of welfare benefits. Smart cards might also be used to store medical records or as electronic drivers licenses.

Obstacles to widespread use of electronic purses or stored value cards include the frequent use of credit cards for small purchases and the possibility that the cards might be stolen, which would be equivalent to

losing cash. Those who support the use of stored value cards claim that consumers could store the cards with only as much cash as they feel comfortable carrying and refill their 'purses' by telephone each night.

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PUBLISHER NAME: New York Times Inc.

EVENT NAMES: *330 (Product information)

GEOGRAPHIC NAMES: *1USA (United States)

PRODUCT NAMES: *3679120 (Magnetic Cards)

INDUSTRY NAMES: BUSN (Any type of business); REG (Business, Regional)

NAICS CODES: 334613 (Magnetic and Optical Recording Media Manufacturing)

?t 02827265/9

02827265/9

DIALOG(R)File 16:Gale Group PROMT(R)

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02827265 Supplier Number: 43800938

High-tech card can be used as 'pocket change'

Denver Post (CO), pC1

April 29, 1993

ISSN: 0893-2441

Language: English Record Type: Abstract

Document Type: Newspaper; Trade

ABSTRACT:

Racom Systems (Boulder, CO) and Ramtron Intl (Colorado Springs, CO) have meshed their radio electronic and computer-chip knowledge to develop a financial transaction device called the In-Charge card, which performs like an automated teller machine (ATM) card for lower-priced items like change for a phone call or bus fare. A person would pay a specified amount for the card then use that as a credit to buy based what is loaded on the card. At each point of purchase, the seller would scan the card, deducting the proper amount from the credit left on the card. Similar devices, called 'smart cards' are already used often for those same purposes in Japan and Europe. Ramtron's ferroelectric random access memory (FRAM) chip is used for the In-Charge card. The FRAM chip stores data like a money total, but does not utilize battery power to run them.

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PUBLISHER NAME: Denver Post Corporation

COMPANY NAMES: *Racom Systems; Ramtron International Corp.

EVENT NAMES: *330 (Product information)

GEOGRAPHIC NAMES: *1U8CO (Colorado)

PRODUCT NAMES: *3679120 (Magnetic Cards)

INDUSTRY NAMES: BUSN (Any type of business); REG (Business, Regional)

NAICS CODES: 334613 (Magnetic and Optical Recording Media Manufacturing)

TICKER SYMBOLS: RMTR

SPECIAL FEATURES: COMPANY

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PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

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